



MATRIX **NEW**WORLD

Engineering Progress

ENVIRONMENTAL HEALTH & SAFETY SERVICES

Matrix works safely.

At Matrix New World Engineering (Matrix), Environmental, Health, and Safety (EHS) concerns are a top priority. Matrix brings a unique and comprehensive approach to EHS services, providing on-site experts and management professionals experienced in both construction site and operating facility EHS practices. These safety experts understand how safety incidents and environmental permitting and compliance can adversely impact or delay a project.

EHS professionals have the knowledge and experience to effectively assess risks and compliance during project construction, pre-commissioning, commissioning and facility operations. These risks range from ineffective safety programs, Simultaneous Operations (SIMOPS) conflicts, energy isolation, hazardous materials management, environmental / chemical contaminant exposure, unsafe working environments, permit non-compliance, spills and poor indoor air quality and mold concerns.

This proactive comprehensive approach to industrial EHS challenges reduces client liability by striving to eliminate workplace safety accidents, spill risks, regulatory non-compliance, and potential losses. By partnering with the project team, we strive to create a relationship of trust with the project stakeholders (i.e. agency representatives, owners, prime contractor /subcontractors, workers and building occupants).

Key Project Experience

- Full HSE compliance assessments
- Comprehensive findings reports
- Recommended improvements reports
- Coordination of corrective actions for at risk findings
- Redevelopment of all Safe Work Procedures
- Procedural training
- Facility HSSE Training
- Facility environmental compliance calendar
- Facility Emergency Action & Response, Severe Weather, & Hurricane Plans
- SPCC reviews
- SWP3 & BMP effectiveness audits

Services provided

- Contractor Oversight
- EHS Audits & Inspections
- EHS Training
- Development of EHS Programs to Comply with OSHA, EPA, & State Requirements
- EHS Best Management Practice(s) Development
- On-site EHS Staffing & Support
- Compliance Reporting
- Emergency Response Preparedness & Plan Development
- Emergency Action Plan Development

Contact

Matrix New World Engineering

973.240.1800

800.747.6287 (MATRIX)

matrixnewworld.com

Certified WBE/DBE





Prioritizing Safety

Before and during construction, Matrix coordinates with all parties to review Contractor and Owner EHS/Security plans, review safe work plans/procedures (SWPs); coordinate HAZOP/LOPA Studies, coordinate Pre-Start-Up Safety Reviews (PSSR's), perform comprehensive site EHS audits; and effectively measure, communicate, investigate, and track incidents and deficiencies (i.e. materials handling, fall protection, confined space entry, vehicle operations, and emergency response). Matrix EHS experts develop daily, weekly, and monthly reports to meet specific stakeholder needs, ensuring effective communication and mitigation of EHS risks throughout the project lifecycle, and communicating any deficiencies and investigating accidents and near-miss incidents as they occur.

Projects

- Empire State Development, James A. Farley Post Office Building Redevelopment, Safety and Security Management, New York, NY
- MTA – Metro-North Railroad – Grand Central Terminal (GCT) – Leak Remediation – Phase 2, Environmental Health and Safety Inspection Services, New York, NY
- MTA – Metro-North Railroad & WSP/PB Construction Services – Harlem River Lift Bridge – Rehabilitation Project – Environmental Health and Safety Inspection Services, New York, NY
- Juniper Specialty Products, Facility Start-up EHS Compliance Assessment & Readiness, Westlake, LA
- Chemical Waste Management, Annual Reviews and Audits, and associated findings and recommendations reports, Lake Charles, LA Facility

Health & Safety Compliance & Services

- Incident reporting & Investigations
- OSHA Training and Compliance auditing
- Task Safety Risk Assessments
- HSE Business Process Development & Integrations
- PSM Program, Policy and Procedure Development
- Health & Safety Procedure & Policy Manual Development
- Control of Work (Safe Work Protocols)
- Bypass Override Management Protocol Development
- Confined Space Evaluations
- Facility Hazard Assessments
- Employee Right-to-Know with GHS
- Ergonomics
- Fire Extinguisher Basics
- Lockout / Tagout
- Personal Protective Equipment Evaluations & Application

Emergency Planning & Preparedness

- Emergency Response Preparedness & Plan Development
- Hurricane Plans
- Sever Weather Plans
- NFPA Fire Pre-Plans
- Confined Space Rescue Plans
- Drill Facilitation & Critique
- Emergency Action Plan Development

Environmental Compliance Services

- Environmental Compliance Assurance Program Development
- Environmental Sampling (Waste, Water, and Air)
- SPCC Plan Development
- SWP3 Plan Development
- Water Quality Best Management Plan Development
- SPCC, SPCC, SWP3, and BMP Routine Inspections
- Environmental Multi-media Auditing
- Environmental Compliance Reporting (Multi-Media)
- Regulatory Applicability Determinations
- Waste Management Program Development
- Waste Contingency Planning
- Chemical Inventory & HAZCOM Program Development
- SARA Tier II Inventory & Reporting
- Environmental Training

